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TITLE : COMPOSITE FILLER, ITS PRODUCTION, AND DENTAL RESIN COMPOSITION
PRODUCED BY USING THE SAME

ABSTRACT : PURPOSE: To obtain a composite filler useful for a dental resin compsn. by using a composite filler comprising a polymer of a specific monomer, silicon dioxide, and an oxide of a specific element.

CONSTITUTION: This composite filler comprises 100 pts.wt. polymer of a polymerizable monomer having at least two vinyl groups in the molecule (e.g. ethylene glycol di(meth)acrylate) and 150-200 pts.wt. particles comprising 1-99wt.% silicon dioxide and 99-1wt.% oxide of at least one element selected from among elements of the groups II, III, and IV (except silicon dioxide) in the periodic table and having particle sizes of 0.01-0.1 μ m. Pref. the particles are agglomerates having sizes of 1 μ m or higher.

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